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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Co	mplete if Known	
Application Number	10/712,840	
Filing Date	November 12, 2003	
First Named Inventor	Thomas R. Ohnstein	
Art Unit	2832	
Examiner Name	Bernard Rojas	
Attorney Docket Number	H0005156(1016.1140101)	

			U.S. PATENT		
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevent Figures Appear
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		FOREIGN	PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To
36		JP61065795 (no abstract available)	04/04/1986	Mitsubishi		
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Atty. Docket No.: H0005156 (1016.1140101) Serial No.: 10/712,840

IST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

Applicant: Thomas R. Ohnstein et al.

Filing Date:

Group Art: Unknown

November 12, 2003

U.S. PATENT DOCUMENTS

Examiner Initial		Date	Name	Filing Date If Appropriate
Ba	2002/0039620	04/2002	Shahinpoor et al.	
	2002/0043950	04/2002	Yim et al.	
11-	2002/0152006	10/2002	Bennett III et al.	
	2003/0006669	01/2003	Pei et al.	
1	5,029,101	07/1991	Fernandes	
+	5,355,743	10/1994	Tesar	
11-	5,386,741	02/1995	Rennex	
	5,567,110	10/1996	Sutherland	
1	5,662,587	09/1997	Grundfest et al.	
1	5,901,939	05/1999	Cabuz et al.	
1	6,106,245	08/2000	Cabuz	
1	6,109,852	08/2000	Shahinpoor et al.	
	6,147,422	11/2000	Delson et al.	
1	6,184,607	02/2001	Cabuz et al.	
	6,184,608	02/2001	Cabuz et al.	
	6,255,758	07/2001	Cabuz et al.	
1	6,358,021	03/2002	Cabuz	
	6,450,104	09/2002	Grant et al.	
11	6,454,624	09/2002	Duff et al.	
4	6,461,337	10/2002	Minotti et al.	
BA	6,512,345	01/2003	Borenstein et al.	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Gravagne, et al., "Kinematics for Constrained Continuum Robots Using Wavelet Decomposition, Robotics 2000, proceedings of the 4th International Conference and Exposition/Demonstration on Robotics for Challenging Situations and Environments, pp. 1-7, Feb 2000.

FORM PTO-1449 Page 2 of 2	Atty. Docket No.: H0005156 (1016.1140101)	Serial No.: 10/712,840
LIST OF PATENTS AND PUBLICATIONS	Applicant: Thomas R	. Ohnstein et al.
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art:
	November 12, 2003	Unknown

Gravagne, et al. "On the Kinematics of Remotely-Actuated Continuum Robots", Proceedings of the 2000 IEEE International Conference on Robotics and
Automation, pp 2544-2550, April 2000.
Hirose, et al. "Snakes and Strings: New Robotic Components for Rescue Operations," Experimental Robotics VIII, pp. 48-61, 2003.
Horning, et al. "Polymer-Based MEMS Actuators for Biometics," Neurotechnology for Biometic Robots, MIT Press, pp 173-185, 2002.
Moon, B.R., et al. "Kinematics, Muscular Activity and Propulsion in Gopher Snakes," Journal of Experimental Biology, 201, pp 2669-2684, 1998.
Paap, K.L., et al. "A Robot Snake to Inspect Broken Buildings," Proceedings of the 2000 IEEE/RSJ International Conference on Intelligent Robots and Systems, pp. 2079-2082, 2000.
Sofge, D., et al., "Design, Implementation, and Cooperative Coevolution of an Autonomus/Teleoperated Control System for a Serpentine Robotic Manipulator," pp. 1-7, prior to filing date November 2003.

EXAMINER: DATE CONSIDERED: 12/2/35

EXAMINER: Initial if citation considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.